I claim:

1. A solution spinning process for the production of a textile fiber with permanent repellent action, the process comprising the steps of:

- preparing a spinnable polymer component and an ambivalent polymer compound which contains a repelling group and a residual group with an affinity for the spinnable polymer component,

- mixing the ambivalent polymer compound with the spinnable polymer component in a solvent, and

- spinning the mixture into a fiber, wherein the repelling groups orient themselves in the direction of the surface of the forming fiber and migrate to the surface, while the affine residual groups anchor the ambivalent polymer compound in the spinnable polymer compound as the solvent is driven off.

2. The process according to claim 1, comprising using up to 20 % by weight of the ambivalent polymer compound based on a total amount of the prepared polymer components comprising the spinnable polymer component and the

ambivalent polymer compound.

3. The process according to claim 1, comprising dissolving in the solvent 20 to 30 % by weight of the prepared polymer components comprising the spinnable polymer components and the ambivalent polymer compound.

4. The process according to claim 1, comprising adding additives to the mixture selected from the group consisting of photostabilizers, quenchers, and color pigments.

5. The process according to claim 1, comprising using an ambivalent polymer compound with fluorocarbon groups as the repelling groups and with nitrile groups as the affine residual groups, wherein the ambivalent polymer compound is mixed with a polyacrylonitrile polymer as the spinnable polymer component.

6. The process according to claim 1, comprising processing the textile fiber into a monofilament, a mulitfilament, a spin fiber, a staple fiber, a yarn, or a flat material.

7. The process according to claim 1, comprising using the textile fiber for clothing textiles or industrial textiles.

8. The process according to claim 7, wherein the textiles are used for the motor vehicle industry.